

# Louisiana Broadband Mapping Program Quick Start Guide

## Fixed Wireless Providers



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# 1. Introduction

## 1.1 Estimated time to prepare a submission

This guide will step you through the basic information acceptable for completing your submission with the limited resources you may have. Gathering this information and providing it to us is expected to take no more than a couple hours.

## 1.2 What is a Fixed Wireless provider?

A Fixed Wireless provider uses the following technology to distribute service:

<b>Code</b>	<b>Technology</b>
70	Terrestrial Fixed Wireless - Unlicensed
71	Terrestrial Fixed Wireless - Licensed

## 1.3 Contacts

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# 2. Data Submissions

The Submission Guidelines available at <http://www.broadband.la.gov> provide a technical breakdown of this information and further explanation of each data type being collected. This guide will provide you the information needed to make a very basic NTIA State Broadband submission.

## 2.1 Coverage Area

The most basic form of an acceptable coverage area you can submit to us would be a map that defines the boundaries of your service area omitting any areas where a subscriber is unable to receive communications. Tower locations with a fixed radius output are acceptable but may not create the best representation of your service area.

You must provide us the following information with your coverage area:

- Provider Name
- DBA Name
- Reseller - Y/N for each service area
- FCC Registration Number (FRN)
- Technology Used - see table above
- Spectrum - select the most appropriate code below for each service area

1	is Cellular spectrum (824-849 MHz; 862-869) used to provide service
2	is 700 MHz spectrum (698-758 MHz; 775-788 MHz; 805-806 MHz) used to provide service
3	is Broadband Personal Communications Services spectrum (1850-1915 MHz; 1930-1995) used to provide service Personal Communications Services spectrum (1850-1915 MHz; 1930-1995) used to provide service
4	is Advanced Wireless Services spectrum (1710-1755 MHz; 2100-2155) used to provide service
5	is Broadband Radio Service/Educational Broadband Service spectrum (2496-2690 MHz) used to provide service Radio Service/Educational Broadband Service spectrum (2496-2690 MHz) used to provide service
6	is Unlicensed (including broadcast television “white spaces”) spectrum used to provide service
7	Specialized Mobile Radio Service (SMR) (817-824 MHz; 862-869 MHz; 896-901 MHz; 935-940 MHz)
8	Wireless Communications Service (WCS) spectrum (2305-2320 MHz; 2345-2360 MHz), 3650-3700 MHz
9	Satellite (L-band, Big LEO, Little LEO, 2 GHz)

- Maximum Upload Speed offered in each service area - select the most appropriate code below for each service area

1	Less than or equal to 200 kbps
2	Greater than 200 kbps and less than 768 kbps
3	Greater than or equal to 768 kbps and less than 1.5 mbps
4	Greater than or equal to 1.5 mbps and less than 3 mbps
5	Greater than or equal to 3 mbps and less than 6 mbps
6	Greater than or equal to 6 mbps and less than 10 mbps
7	Greater than or equal to 10 mbps and less than 25 mbps
8	Greater than or equal to 25 mbps and less than 50 mbps
9	Greater than or equal to 50 mbps and less than 100 mbps
10	Greater than or equal to 100 mbps and less than 1 gbps
11	Greater than or equal to 1 gbps

- Maximum Download Speed offered in each service area - select the most appropriate code below for each service area

3	Greater than or equal to 768 kbps and less than 1.5 mbps
4	Greater than or equal to 1.5 mbps and less than 3 mbps
5	Greater than or equal to 3 mbps and less than 6 mbps
6	Greater than or equal to 6 mbps and less than 10 mbps
7	Greater than or equal to 10 mbps and less than 25 mbps
8	Greater than or equal to 25 mbps and less than 50 mbps
9	Greater than or equal to 50 mbps and less than 100 mbps
10	Greater than or equal to 100 mbps and less than 1 gbps
11	Greater than or equal to 1 gbps

- Typical Upload Speed experienced by users in each service area - see table above
- Typical Download Speed experienced by users in each service area - see table above

If you are able to provide 911 addresses for all of your potential subscribers, we will accept that information and aggregate to the census block and road segment level for delivery to the NTIA. Additionally, you may also submit your service area expressed in census blocks and road segments. More information can be found in the submission guidelines for your state.

## 2.2 Middle Mile

Middle mile information can be expressed at the very basic X,Y coordinate locations of your network elements. While 911 addresses would be preferred, the easiest way to provide this information if it is not readily available would be to use Google Earth or a similar freeware mapping application to extract the Lat/Long values (in decimal degrees).

You must provide us the following information with your middle mile points:

- Provider Name
- DBA Name
- FCC Registration Number (FRN)
- Facility Ownership - owned (0) or leased (1)
- Facility Capacity - select the most appropriate code below for each facility

1	Multiple T1s and less than 40 mbps
2	Greater than 40 mbps and less than 150 mbps
3	Greater than 150 mbps and less than 600 mbps
4	Greater than or equal to 600 mbps and less than 2.4 gbps
5	Greater than or equal to 2.4 gbps and less than 10 gbps
6	Greater than or equal to 10 gbps

- Facility Type - Fiber (1), Copper (2), Hybrid Fiber Coax (3), Wireless (4)

- 911 Address for each given point or Lat/Long coordinates (expressed in decimal degrees)
- Elevation relative to grade to the nearest foot. (+ above grade, - below grade)

This information will be treated as confidential.

## 2.3 Community Anchor Institution Points

Provide us with a list of all community anchor institutions as defined in the table below that exist in your service area. As with Middle Mile points, 911 addresses are preferred, but we will accept extracted X,Y coordinates from a mapping application such as Google Earth.

You must provide us the following information with your community anchor points:

- Anchor Name
- 911 Address for each given point or Lat/Long coordinates (expressed in decimal degrees)
- Category - select the appropriate code from the table below for each point:

1	School – K through 12
2	Library
3	Medical/healthcare
4	Public safety
5	University, college, other post-secondary
6	Other community support – government
7	Other community support – nongovernmental

- Broadband Service - Y/N for each point as to whether they subscribe to broadband service
- Technology available to each anchor point - see table above
  - Repeat the anchor for each technology available
- Maximum Upload Speed offered at each point - see table above
- Maximum Download Speed offered at each point - see table above

## 2.4 WISP Antenna locations

Provide us with a list of all WISP Antenna locations that exist in your service area. As with Middle Mile points, the easiest way to provide this information is to extract the X,Y coordinates from a mapping application such as Google Earth.

You must provide us the following information with your WISP Antenna locations:

- Provider Name
- DBA Name

- FCC Registration Number (FRN)
- Lat/Long coordinates (expressed in decimal degrees)
- Transmitting Elevation
- Receiving Elevation
- Ground Elevation
- Alignment
- Horizontal Beam
- Frequency
- Manufacturer
- Model Number
- Customer Antenna Elevation
- Customer Antenna Gain